

Claims

1. Vehicle pneumatic tire in radial design comprising a profiled tread, a multi-layered belt assembly, an inner layer, a casing embodied in at least one layer, which casing is guided around bead cores in bead areas, side walls and for each side wall at least one reinforcing profile which is inserted in the region thereof, is crescent-shaped in cross section, extends respectively at least over a large part of the side wall length and is made of elastomeric materials of different hardnesses, characterized in that a core profile (10), also with a crescent-shaped cross section, which core profile is made of a harder material than the other material of the reinforcing profile (9), is enclosed in the reinforcing profile (9).
2. Vehicle pneumatic tire according to claim 1, characterized in that the cross-sectional shape of the core profile (10) corresponds at least essentially to the cross-sectional shape of the reinforcing profile (9).
3. Vehicle pneumatic tire according to claim 1 or 2, characterized in that the core profile (10) extends over at least 30%, in particular up to 70%, of the extent of the reinforcing profile (9) between belt (2) and bead (5).
4. Vehicle pneumatic tire according to one of claims 1 through 3, characterized in that the Shore A hardness of the reinforcing profile (9) ranges between 60 and 76, in particular between 63 and 66.
5. Vehicle pneumatic tire according to one of claims 1 through 3, characterized in that the Shore A hardness of the core profile (10) ranges between 74 and 82, in particular between 78 and 81.
6. Vehicle pneumatic tire according to one of claims 1 through 5, characterized in that the modulus of elasticity of the material of the core profile (10) ranges between 8 and 12 N/mm<sup>2</sup>, that of the material of the reinforcing profile (9) between 2 and 9 N/mm<sup>2</sup>.